Title (en)

Fastening element for fastening thermally insulating plates on a sub-construction, with control of the assembly

Title (de)

Befestigungselement für die Befestigung vo wärmeisolierenden Platten an einer Unterkonstruktion mit Montagekontrolle

Title (fr)

Elément de fixation pour la fixation de plaques à isolation thermique à une sous-construction, avec contrôle de l'assemblage

Publication

**EP 0940523 A3 20000105 (DE)**

Application

**EP 99101761 A 19990211**

Priority

DE 19808927 A 19980303

Abstract (en)

[origin: DE19808927C1] The connector has a holder (1) and an expandable wedge (5) with a position indicator rod (6) attached to it. If the expandable wedge is driven into its lower end position (9) in the holder, the rod is completely sunk into the holder.

IPC 1-7

**E04F 13/08**

IPC 8 full level

**E04B 1/76** (2006.01); **E04B 1/48** (2006.01); **E04F 13/08** (2006.01)

CPC (source: EP)

**E04B 1/7633** (2013.01); **E04F 13/0835** (2013.01)

Citation (search report)

- [A] EP 0736644 A1 19961009 - BERNER GMBH [DE]
- [A] US 5660015 A 19970826 - KLUSER REMO [CH]
- [A] EP 0286706 A1 19881019 - GAPA WERK PAPENBERG & GARZ GMB [DE]

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CN106436933A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19808927 C1 19990708**; AT 253160 T 20031115; CZ 69699 A3 19991013; DE 59907491 D1 20031204; EP 0940523 A2 19990908; EP 0940523 A3 20000105; EP 0940523 B1 20031029; HU 9900195 A2 19991228; HU 9900195 A3 20000228; HU 9900195 D0 19990329; PL 331685 A1 19990913

DOCDB simple family (application)

**DE 19808927 A 19980303**; AT 99101761 T 19990211; CZ 69699 A 19990301; DE 59907491 T 19990211; EP 99101761 A 19990211; HU 9900195 A 19990127; PL 33168599 A 19990301